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OM protein - protein search, using sw model

Run on: March 24, 2003, 15:50:39 ; Search time 18.1909 Seconds
(without alignments)
422.135 Million cell updates/sec

Title: US-09-988-971-2

Perfect score: 1351
Sequence: 1 MGSLSRRKSLPSPSSSY.....RESLSFYISLNDVAISLDA 261

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/CTUS.COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	374.5	27.7	512	4 US-08-426-509A-16	Sequence 16, Appl
2	374.5	27.7	512	4 PCT-US95-05008-16	Sequence 16, Appl
3	364.5	27.0	505	4 US-08-426-509A-17	Sequence 17, Appl
4	364.5	27.0	505	4 PCT-US95-05008-17	Sequence 17, Appl
5	348.5	25.8	499	4 US-08-426-509A-19	Sequence 19, Appl
6	348.5	25.8	499	4 PCT-US95-05008-19	Sequence 19, Appl
7	344	25.5	509	3 US-09-039-555B-18	Sequence 18, Appl
8	344	25.5	509	4 US-08-426-509A-18	Sequence 18, Appl
9	344	25.5	509	4 US-09-457-040B-8	Sequence 8, Appl
10	344	25.5	509	4 PCT-US95-05008-18	Sequence 18, Appl
11	319.5	23.6	537	4 US-08-426-509A-11	Sequence 11, Appl
12	319.5	23.6	537	4 PCT-US95-05008-11	Sequence 11, Appl
13	319.5	23.6	543	4 US-08-426-509A-14	Sequence 14, Appl
14	319.5	23.6	543	4 PCT-US95-05008-14	Sequence 14, Appl
15	317.5	23.5	496	2 US-09-006-675-2	Sequence 2, Appl
16	317.5	23.5	496	4 US-09-228-603A-2	Sequence 2, Appl
17	316.5	23.4	529	4 US-08-426-509A-15	Sequence 15, Appl
18	316.5	23.4	529	4 PCT-US95-05008-15	Sequence 15, Appl
19	305	22.6	536	4 US-08-426-509A-12	Sequence 12, Appl
20	305	22.6	536	4 PCT-US95-05008-12	Sequence 12, Appl
21	290.5	21.5	533	1 US-07-820-011A-2	Sequence 1, Appl
22	290.5	21.5	533	5 PCT-US93-00445-2	Sequence 2, Appl
23	287.5	21.3	532	1 US-08-594-447-1	Sequence 1, Appl
24	287.5	21.3	532	1 US-08-665-647-1	Sequence 1, Appl
25	280.5	20.8	536	1 US-07-820-011A-4	Sequence 4, Appl
26	280.5	20.8	536	1 US-08-426-509A-13	Sequence 13, Appl
27	280.5	20.8	536	5 PCT-US93-00445-4	Sequence 4, Appl

28	280.5	20.8	536	5 PCT-US95-05008-13	Sequence 13, Appl
29	278	20.6	98	2 US-08-479-078-7	Sequence 7, Appl
30	272	20.1	98	2 US-08-479-078-6	Sequence 6, Appl
31	266	19.7	108	5 PCT-US94-01840-6	Sequence 6, Appl
32	264	19.5	101	2 US-08-574-959A-5	Sequence 5, Appl
33	264	19.5	101	4 US-09-357-014-5	Sequence 5, Appl
34	262	19.4	98	2 US-08-479-078-5	Sequence 5, Appl
35	262	19.4	98	4 US-08-975-040-22	Sequence 22, Appl
36	262	19.4	224	1 US-08-707-793A-6	Sequence 6, Appl
37	262	19.4	224	1 US-08-707-792A-6	Sequence 6, Appl
38	261	19.3	98	1 US-08-308-086-4	Sequence 4, Appl
39	261	19.3	99	1 US-08-202-389-38	Sequence 38, Appl
40	258.5	19.1	98	1 US-08-202-389-39	Sequence 39, Appl
41	258.5	19.1	102	2 US-08-820-754-24	Sequence 24, Appl
42	258.5	19.1	102	3 US-08-956-869-24	Sequence 24, Appl
43	258.5	19.1	102	3 US-08-948-547-24	Sequence 24, Appl
44	258.5	19.1	102	3 US-08-479-078-8	Sequence 8, Appl
45	254.5	18.8	97	2 US-08-479-078-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-426-509A-16
Sequence 16, Application US/08426509A
Patent No. 6326469
GENERAL INFORMATION:
APPLICANT: Ulrich, Axel
APPLICANT: Gishizky, Mikhail
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
TITLE OF INVENTION: TYROSINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York,
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-Apr-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 512 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: No. 6326469e
US-08-426-509A-16

Query Match 27.7% ; Score 374.5 ; DB 4 ; Length 512;
Best Match Similarity 40.3% ; Pred. No. 4.3e-32;
Matches 81; Conservative 36; Mismatches 75; Indels 9, Gaps 3;

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QY      6  SNKSLSPBLSBSSVGGQPVLTMAEBSKATYVALGSPACGPELSLTGSPLTIVSED  65
      38  SNKQGRPFPE-SOLLGGRFQTDKPEEGDITVALYTPDGIHNPDDLSFKKGGKMKVLEEH  96

Dh      66  GDMWTVLSVSGREYNIPBSVAVK-----SHGWLTEGLSREKAEELLILPGNPGCAFILIR  121
      97  GEMWAKASLLTTKEGEPISPNVAVALNTLREHEWFEKQDITTRDAROLLNPGNSAAGFILIR  156

QY      122  SEQTRBSGYSLSYRLSRPASMDIRIRYRIHCLDNQMLTISPRLTSPSLQALVDHYSELAD  181
      157  BEETLKSGFSLSIRDDDPHGEDVILKHKXIRSLDNGYYIISPRITFPCLSDMIKHYOQAD  216

Dh      182  DICLLKPECYLORAGELPGK  202
      217  GLCRLEKACI-----SPFKOK  233

```

sequence 16, Application PC/1053503008

APPLICANT: Sugen, Inc.
 APPLICANT: 515 Galveston Drive
 APPLICANT: Redwood City, California 94063-4720
 APPLICANT: United States of America
 APPLICANT: Wissenschaften E.V.
 APPLICANT: Hofgarten Str. 2
 APPLICANT: Munchen 80539
 APPLICANT: Germany
 TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
 TITLE OF INVENTION: Kinases
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penname & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cornuzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7603-074
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)790-9090
 TELEFAX: (212)869-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 512 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US95-05008-16

Patent No. 6326469

GENERAL INFORMATION:
APPLICANT: Ulirsch,, Axel
APPLICANT: Gishizky,, Mikhail
APPLICANT: Sures,, Iman G.
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
TITLE OF INVENTION: THYROXINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York,
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fastseq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 505 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
US-08-426-509A-17

Query Match	27.0 %;	Score 364.5;	DB 4;	Length 505;
Best Local Similarity	42.2 %;	Pred. No. 5.7e-31;		
Matches 78;	Conservative 31;	Mismatches 69;	Indels 7;	Gaps 2

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0y      12 ppslslssvvgqgqvmtwearskatakalsfpaggaelsrlrgecltltvsebdgmvtv 71
        | : : : | : : : | : : : | : : : | : : : | : : : | : : : |
Db      40 pgnshns--ntpgiregsecltvaltdyaltihelstfsgqddmvvleesgwmka 96
        | : : : | : : : | : : : | : : : | : : : | : : : | : : : |
0y      72 lsvsgsreryntpsvhuakv---shgwileglsreraebelllpgnpgafllrbsotrr 127

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Db 97 RSLATREKGYIPSNVAVARVDSLETEWFFKIGSRKDAERQLLAPGNMLSGFMIRDSFTTK 156
Qy 128 GSYSLSVRLSRPASMRIHRYHICLDNGMLYISPRITFPLQALVDHYSELADICLL 187
Db 157 GSYSLSVRYDYPQGDVYKHVYKIRTLNDNGFYISPRSTFSLQELVDHYKKNDDGICQCL 216
Qy 188 KEPV 192
Db 217 SVPCM 221

RESULT 4

PCT-US95-05008-17
Sequence 17, Application PC/TUS9505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: Munchen 80539
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 505 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-05008-17

Query Match 27.0%; Score 364.5; DB 5; Length 505;
Best Local Similarity 42.2%; Pred. No. 5,1e-31;
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;
Qy 12 PSPSLSSVOGGPVTMEAKSRKATVAGSPAGRAELSLRGEPLTIVEEDQDWTV 71
Db 40 PGRSHNS---NTPGIRAGSEDTIVVLYEALIHEDUSFQSGQWVLEESGEWKA 96
Qy 72 LSEVSGREYNIPSVHAKV---SHGLYEGLSREKAEELLPLGNPGAFILIREQTRR 127

Db 97 RSLATREKGYIPSNVAVARVDSLETEWFFKIGSRDARQLAPGNMLSGFMIRDSFTTK 156
Qy 128 GSYSLSVRLSRPASMRIHRYHICLDNGMLYISPRITFPLQALVDHYSELADICLL 187
Db 157 GSYSLSVRYDYPQGDVYKHVYKIRTLNDNGFYISPRSTFSLQELVDHYKKNDDGICQCL 216
Qy 188 KEPV 192
Db 217 SVPCM 221

RESULT 5

US-08-426-509A-19
Sequence 19, Application US/08426509A
Patent No. 6326469
GENERAL INFORMATION:
APPLICANT: Ulrich, Axel
APPLICANT: Gishizky, Mikhail
APPLICANT: Sure, Irman G.
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
TITLE OF INVENTION: TYROSINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 499 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: NO. 6326469e
US-08-426-509A-19

Query Match 25.8%; Score 348.5; DB 4; Length 499;
Best Local Similarity 36.5%; Pred. No. 2,8e-29;
Matches 81; Conservative 32; Mismatches 72; Indels 37; Gaps 4;
Qy 1 MGSLPERRKSLPSPSLSSVOGGGPV-----TMEERK 34
Db 1 MGLSLSKQ-----VEKKKSGSVKRTDQKAPPLPVLVFNHLAPSPNODPDEE 54
Qy 35 ATVALGSPFAGGAEISLRLGEPLTIVSEDDGWWTVLSEVSGREYNIPSVHAKVS--- 91
Db 55 RFVVALFDYAAVNDRLQVLEKSEKLVIRSTGDMWLARSLVTGREGVPSNFAVPEITL 114
Qy 92 -HGMLYEGLSREKAEELLPLGNPGAFILIREQTRGYSLSVRLSRPASMRIHRY 150


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; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 8
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Human
US-09-457-040B-8

Query Match      25.5%; Score 344; DB 4; Length 509;
Best Local Similarity 41.1%; Pred. No. 8, 8e-29;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

QY    VTMEERSKKT-----AVALGSPFPAAGPAPLSRLRGEPLTIVSEDDMTWLVSGSRE 79
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db    49 VTYGSNSPPASPLQDNLYVIALHYSERSDGLCEFGEDLRILKGSEMMKKQSLLTTQE 108
QY    80 VNHSVAVANVS---HGMLEYGLSFREAEELLLPGNPGAFLIRSGTRNGSYSLVR 135
      ::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db    109 GFIPPNVAANSLEPEEFMKSLRKDAERQLLAPGNTHGSFLIRSESTGSPSLSVR 168
QY    136 LSRPASWDRIHRHYRHICLDNGMVLISPLPTFPSSLALVDHVESELADIDICLKKECVLR 195
      :|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db    169 DFQNQGEVVKHKYKIRNLNDGGFYISPRLTPGHLVHTYNMSDGLCTRLRSRCQRX 228

RESULT 10
Sequence 18, Application PC/TUS9505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: München 80539
APPLICANT: Germany
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinasee
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Cortuzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9990
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 509 amino acids
TYPE: amino acid
STRANDNESS: unknown
TOPOLOGY: unknown

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0Y 10 ST.PSPST,SSSVGOGPVTMEERSKATA-----VALGSFPAGGPAELSLRL 55

Db 46 SLIPVNNFHAAGGGLTVFEGVNSSHTGTLRTGRGTGVTLFVALYDEARTEDDLSEHK 105
 QY 56 GEPPLTV-SEDPWMTVLSVSGREYVIPSVAHVAKV---SHGMLYEGLSREKAEELL 110
 Db 106 GEKQILNNSSEGDWMEARSLTTGETGYIPSNVYAPVDSIOAEWYFQKLRKAEKOLLS 165
 QY 111 PGNFGAFILRESQTRGSGYSVRLSRPASMDRIRHRIRICLNDGMLYISPLTFPSIQ 170
 Db 166 FGNPRGFTLIRESETTKGAYSLIRDMDDKGDHGVHYKIKRLNDGYYITTTAQPETIQ 225
 QY 171 ALVDHYSELADDDICLLKPPC 191
 Db 226 QLVQHYSERAAAGLCRLVVP 246

RESULT 13 US-08-426-509A-14

/ Sequence 14, Application US/08426509A
 / Patent No. 6326469

GENERAL INFORMATION:

/ APPLICANT: Ullrich, Axel
 / APPLICANT: Gishitzky, Mikhail
 / APPLICANT: Sures, Irman G.
 / TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
 / TITLE OF INVENTION: TYROSINE KINASES
 / NUMBER OF SEQUENCES: 21
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Pennie & Edmonds
 / STREET: 1155 Avenue of the Americas
 / CITY: New York,
 / STATE: NY
 / COUNTRY: USA
 / ZIP: 10036-2711

COMPUTER READABLE FORM:

/ MEDIUM TYPE: Diskette
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: DOS
 / SOFTWARE: FASTSEQ Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/426,509A
 / FILING DATE: 21-APR-1995
 / CLASSIFICATION: 435
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: 08/232,545
 / FILING DATE:

ATTORNEY/AGENT INFORMATION:

/ NAME: Coruzzi, Laura A.
 / REGISTRATION NUMBER: 30,742
 / REFERENCE/DOCKET NUMBER: 7683-0074-999
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 212-790-9090
 / TELEFAX: 212-869-9741
 / TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 14:

/ SEQUENCE CHARACTERISTICS:
 / LENGTH: 543 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: unknown
 / TOPOLOGY: unknown
 / MOLECULE TYPE: No. 6326469e
 / US-08-426-509A-14

Query Match 23.6%; Score 319.5; DB 4; Length 543;
 Best Local Similarity 29.3%; Pred. No. 4.5e-26;
 Matches 93; Conservative 45; Mismatches 112; Indels 67; Gaps 9;

QY 2 GSUPSRKSLSPSSLSV-----OGGQVYMEARSKATAVVLSFPAG----- 46
 Db 33 GAERTTVSPCPSSSAKGTAVVNFSSLSMTFGGSSSVVPSVPAGLGTG 92
 QY 47 -----GPAELSLRLEPLTVSE-DGDWMTVLSVSGREYVIPSVAHVAKV-- 90
 Db 93 VTIFFVALYDEARTEDDLSEFKGERFOIINTREGDWMWEARSIAITGKNGYIPSNVYAPVDS 152

QY 91 --SHGMLYEGLSREKAEELLPLGNPGAFILRESQTRGSGYSVRLSRPASMDRIR-- 146
 Db 153 IOAEWYFQKMRKAEKOLLSLIRNPNORGIPLIRESETTKGAYSLISIR-----DMDEIRGD 207
 QY 147 ---HYRHLCDNGMLYISPLTFPSIOALVDHYSELADDDICLLKPPC-----VLQ 194
 Db 208 NVKHYKRLKLDGYYITTTAQPETIQKLVKHYTHADGCHKLTVVCFYVAPOTGIK 267
 QY 195 RAGPLPKDIPLPVTQR-----TPLNKKELDSSLFSEANATGEESLSEG 240
 Db 268 DAMEIPRESIRLEVLGCGCFGEVMMGTWNGTTKVAIKTLKPGTMMPEAFLEQAQIMK 327
 QY 241 LRESL-SFYISLNDNAV 256
 Db 328 RHDKLVPYLVAVSEEP 344

RESULT 14 PCT-US95-05008-14

/ Sequence 14, Application PC/TUS9505008
 / GENERAL INFORMATION:

/ APPLICANT: Sugen, Inc.
 / APPLICANT: 515 Galveston Drive
 / APPLICANT: Redwood City, California 94063-4720
 / APPLICANT: United States of America
 / APPLICANT: Wissenschaften E.V.
 / APPLICANT: Hofgarten Str. 2
 / APPLICANT: Munchen 80539
 / TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
 / NUMBER OF SEQUENCES: 21
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Pennie & Edmonds
 / STREET: 1155 Avenue of the Americas
 / CITY: New York
 / STATE: New York
 / COUNTRY: U.S.A.
 / ZIP: 10036

COMPUTER READABLE FORM:

/ MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: PCT/US95/05008
 / FILING DATE: 24-APR-1995
 / CLASSIFICATION:

PRIOR APPLICATION DATA:

/ APPLICATION NUMBER: US 08/232,545
 / FILING DATE: 22-APR-1994
 / CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Coruzzi, Laura A.
 / REGISTRATION NUMBER: 30,742
 / REFERENCE/DOCKET NUMBER: 7683-074
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (212)790-9090
 / TELEFAX: (212)869-9741
 / TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 14:

/ SEQUENCE CHARACTERISTICS:
 / LENGTH: 543 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: unknown
 / TOPOLOGY: unknown
 / MOLECULE TYPE: protein
 / PCT-US95-05008-14

Query Match 23.6%; Score 319.5; DB 5; Length 543;
 Best Local Similarity 29.3%; Pred. No. 4.5e-26;
 Matches 93; Conservative 45; Mismatches 112; Indels 67; Gaps 9;

QY 2 GSLPERKSLSPSSLSV-----QGQPYTMEARSKATVALGSPFAG---- 46
 DB 33 GAEPTTVSPCCSSAKGIVANSSLSMTFPGSGSVTPPGGASSSFVSVPACLLTGG 92
 QY 47 -----GPAELSLRLGEPPLTVSE-DQDWTVLSEVSGREYNIPSVHAKV-- 90
 DB 93 VTIFFVALDYEARFTTEDLSFKKGERFQIINNTEDGWWEARSIATGKNGYIPSVYAPADS 152
 QY 91 --SHGMLVEGLSREKAEELLPLPGNPGAFILRESQTRGSGSYLSVRLSRPASMDRIR-- 146
 DB 153 IOAEEMVFGKMGKRDARLLNPGNGRGIIFLVRESSTTGAYSLSIR-----DWDEIRGD 207
 QY 147 ---HYRIHCLDNGMLYISPLTFPSLQALVDHSELADICCLLKPC-----VLQ 194
 DB 208 NVVHYKIRKLNGGYITTTAOFDTLQKLVKHYTHEADGICHLITTVCPYVKQQTGLAK 267
 QY 195 RAGPLPGKDIPPLYTVOR-----TFLMKELDSLLFSEATGSESLSEG 240
 DB 268 DAMEIPRESLLEVLKLGCGCFGEVWMTGNGTVAIKTLKPGTWPPEAFIQEAQIMKTL 327
 QY 241 LRESL-SFYISLNDKAV 256
 DB 328 RHDKLVPPLYAVVSEEP1 344

RESULT 15

US-09-006-675-2
 ; Sequence 2, Application US/09006675
 ; Patent No. 5952213
 ; GENERAL INFORMATION:
 ; APPLICANT: Hemmati-Briantlou, Ali
 ; APPLICANT: Weinstein, Daniel C.
 ; TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF
 ; TITLE OF INVENTION: USE THEREOF
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue, 4th Floor
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/006,675
 ; FILING DATE: 13-JAN-1998
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-217
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-487-5800
 ; TELEFAX: 201-343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 496 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-006-675-2

Query Match 23.5%; Score 317.5; DB 2; Length 496;
 Best Local Similarity 36.9%; Pred. No. 6,56-26;
 Matches 79; Conservative 34; Mismatches 74; Indels 27; Gaps 6;
 QY 1 MGSLPSR-----RKSLSPLSSSVGGGP--VTM-EAERS-----KATVALG 41

DB 1 MGCIKSDSNNTGKSLGPEPSTQHYVKDPSTVTMTKPERSKHPRERGCEVVLALY 60
 QY 42 SPFAGPAELSLRLGEPPLTVSEEDGMWTVLSEVSGREYNIPSVHAKV---SHGMLYE 97
 DB 61 DYDVIHGDITFRKGDHLLKESGEMWACLISTGEEGFVPSNYAVFNSLSESEWYFK 120
 QY 98 GLSEKAEELLPLPGNPGAFILRESQTRGSGSYLSVRLSRPASMDRIRHYRIHCLDNGW 157
 DB 121 GMSRKEAERQLSPVNSKGAFMRDSEPMKGCFSLSVR---DSGTVVHYKIRTLDDGG 176
 QY 158 LVISPLTFPSLQALVDHSELADICCLLKPC 191
 DB 177 FFISTRIIPPSLDELVRHYQGVGLCQCILIPC 210

Search completed: March 24, 2003, 15:52:31
 Job time : 22.1909 secs